

Practice: 466 - Land Smoothing**Scenario: #1 - Minor Shaping****Scenario Description:**

Removing irregularities on the land surface of cropland by use of heavy equipment.

Before Situation:

Field damaged by flooding, past agricultural practices, or other topographich issues causing drainage or field workablity issues. Typically less than 100 cy/acre material moved. Resource Concerns include Soil Condition, Soil Erosion, and Water Quality/Quantity.

After Situation:

Scraper, backhoe, bulldozer or other heavy equipment used to correct irregulaties and address drainage or workablity issues. Soil condition and erosion concerns are addressed, and water quality is improved in nearby waterways and streams.

Scenario Feature Measure: Acres of land treated

Scenario Unit: Acre

Scenario Typical Size: 40

Scenario Cost: \$4,445.75

Scenario Cost/Unit: \$111.14

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
	1144				2	
Equipment/Installation						
Dozer, 140 HP	927	Track mounted Dozer with horsepower range of 125 to 160. Equipment and power unit costs. Labor not included.	Hour	\$133.49	25	\$3,337.25
Scraper, pull, 7 CY	1206	Pull type earthmoving scraper with 7 CY capacity. Does not include pulling equipment or labor. Add Tractor or Dozer, 160 HP typically required for single scraper.	Hour	\$16.64	25	\$416.00
Labor						
Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$27.70	25	\$692.50